Quality assessment							No of patients		Effect			
No of studi es	Design	Risk of bias	Inconsisten cy	Indirectne ss	Imprecisi on	Other consideratio ns	NIV	No airway clearanc e techniqu e	Relati ve (95% Cl)	Absolut e	Qual ity	Importance
Lung function - FEV1 (follow-up 6 weeks; measured with: % predicted; range of scores: 0-100; Better indicated by higher values)												
1 (You ng 2008)	randomise d trials	no seriou s risk of bias	no serious inconsistenc y	no serious indirectnes s	very serious <sup>1</sup>	none	7	8	-	MD 1 higher (8.62 lower to 10.62 higher)	LOW	IMPORTAN T
Lung function - FVC (follow-up 6 weeks; measured with: % predicted; range of scores: 0-100; Better indicated by higher values)												
1 (You ng 2008)	randomise d trials	no seriou s risk of bias	no serious inconsistenc y	no serious indirectnes s	very serious <sup>2</sup>	none	7	8	-	MD 4 higher (10.3 lower to 18.3 higher)	LOW	IMPORTAN T
Oxyge	n saturation	(nocturn	al) (follow-up 6	6 weeks; meas	sured with:	%; range of sco	res: 0-100; E	Better indica	ated by h	igher value	es)	
1 (You ng 2008)	randomise d trials	no seriou s risk of bias	no serious inconsistenc y	no serious indirectnes s	serious <sup>3</sup>	none	7	8	-	MD 3 higher (1.12 lower to 7.12 higher)	MOD ERA TE	IMPORTAN T
Quality of life – CF-QOL chest symptom score (follow-up 6 weeks; range of scores: 0-100; Better indicated by higher values)												
1 (You ng 2008)	randomise d trials	no seriou s risk of bias	no serious inconsistenc y	no serious indirectnes s	very serious <sup>1,4</sup>	none	7	8	-	MD 7 higher (11.73 lower to	LOW	IMPORTAN T

## Table 20: Clinical evidence profile: Comparison 14. Non-invasive ventilation (NIV) versus no airway clearance technique

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Quality assessment							No of patients		Effect			
No of studi es	Design	Risk of bias	Inconsisten cy	Indirectne ss	Imprecisi on	Other consideratio ns	NIV	No airway clearanc e techniqu e	Relati ve (95% CI)	Absolut e	Qual ity	Importance
										25.73 higher)		
Quality of life - CF-QOL traditional dyspnoea index score (follow-up 6 weeks; range of scores: 0-100; Better indicated by higher values)												
1 (You ng 2008)	randomise d trials	no seriou s risk of bias	no serious inconsistenc y	no serious indirectnes s	serious <sup>4,5</sup>	none	7	8	-	MD 2.9 higher (0.71 to 5.09 higher)	MOD ERA TE	IMPORTAN T

Abbreviations: CI: confidence interval; FEV1: forced expiratory volume in 1 second; FVC: forced vital capacity; MD: mean difference; NIV: non-invasive ventilation

1 The quality of the evidence was downgraded by 2 due to very serious imprecision as 95% CI crossed 2 clinical MIDs

2 The quality of the evidence was downgraded by 2 due to very serious imprecision as 95% CI crossed 2 default MIDs

3 The quality of the evidence was downgraded by 1 due to serious imprecision as 95% CI crossed 1 default MID

4 Clinical MID=5 was used to assess imprecision for quality of life because the CF QOL questionnaire (Gee et al. 2000) was used

5 The quality of the evidence was downgraded by 1 due to serious imprecision as 95% CI crossed 1 clinical MID